

ER-2 #809 11/17/13

Aircraft: [ER-2 - AFRC #809](#) ([See full schedule](#))

Flight Number: 14-9005

Payload Configuration: HyspIRI - AVIRIS & MASTER

Nav Data Collected: Yes

Total Flight Time: 4.8 hours

Comments: This was the 1st flight after replacing the engine with 806's engine. None of the previous engine fuel leak problems were observed. RSP developed a leak after servicing, but prior to installation so ballast was installed in the right aft pod instead of RSP. Most of the targets were cloud free except portions of the So Cal line over the water and the start of Soda Straw in Santa Barbara. Initial indications are that both instruments performed well. The aircraft returned in good shape.

Submitted by: Timothy Moes on 11/17/13

Flight Segments:

From:	PMD	To:	PMD
Date:	11/17/13		
Flight Time:	2.8 hours		
Log Number:	142008 - Completed as of this flight.	PI:	Robert Green
Funding Source:	Woody Turner - NASA - SMD - ESD Biological Diversity		
Purpose of Flight:	Science		

From:	PMD	To:	PMD
Date:	11/17/13		
Flight Time:	2 hours		
Log Number:	142016	PI:	Robert Green
Funding Source:	Woody Turner - NASA - SMD - ESD Biological Diversity		
Purpose of Flight:	Science		

Flight Hour Summary:

	112005	122003	132003	142008
Flight Hours Approved in SOFRS			100	
Flight Hours Previously Approved				13.9
Total Used	0	0	86.1	12.9
Total Remaining				1

142008 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/31/13	14-9002	Science	4.4	4.4	9.5	
11/05/13	14-9003	Science	5.7	10.1	3.8	
11/17/13	14-9005	Science	2.8	12.9	1	

132003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
04/10/13	13-9037	Science	6.5	6.5	93.5	
04/11/13	13-9036	Science	5.7	12.2	87.8	
04/12/13	13-9039	Science	8.5	20.7	79.3	
04/19/13	13-9040	Science	7.6	28.3	71.7	
05/02/13	13-9041	Science	4.4	32.7	67.3	
05/03/13	13-9042	Science	4.3	37	63	
05/22/13 - 05/23/13	13-6021	Science	7.6	44.6	55.4	
06/01/13	13-6026	Science	1.1	45.7	54.3	
06/04/13	13-6027	Science	4.7	50.4	49.6	

06/06/13 - 06/07/13	13-6028	Science	6.7	57.1	42.9
06/07/13	13-6029	Science	6.7	63.8	36.2
06/10/13	13-6030	Science	1.5	65.3	34.7
06/26/13	13-6037	Science	4.9	70.2	29.8
09/13/13	13-6045	Science	2.6	72.8	27.2
09/19/13	13-6048	Science	5.7	78.5	21.5
09/24/13	13-6049	Science	7.6	86.1	13.9

152020 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/06/14	15-6001	Science	1	1	0	

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Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

142016 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/17/13	14-9005	Science	2	2	118	
11/22/13	14-9006	Science	5.2	7.2	112.8	
11/25/13	14-9007	Science	5.1	12.3	107.7	
12/04/13	14-9012	Science	4.9	17.2	102.8	
12/05/13	14-9013	Science	4.6	21.8	98.2	
04/07/14	14-6030	Science	5.8	27.6	92.4	
04/10/14	14-6031	Science	5.2	32.8	87.2	
04/14/14	14-6032	Science	8	40.8	79.2	
04/16/14	14-6033	Science	6	46.8	73.2	
04/18/14	14-6034	Science	4	50.8	69.2	
04/28/14	14-6037	Science	7.6	58.4	61.6	
05/07/14	14-6038	Science	6.9	65.3	54.7	
05/29/14	14-6041	Science	6.7	72	48	
06/02/14	14-6043	Science	5.1	77.1	42.9	
06/03/14	14-6044	Science	6.3	83.4	36.6	
06/04/14	14-6045	Science	5.8	89.2	30.8	
06/13/14	16-6048	Science	7.7	96.9	23.1	
08/26/14 - 08/27/14	14-9039	Science	7.8	104.7	15.3	
08/28/14	14-9040	Science	3.7	108.4	11.6	
08/29/14	14-9041	Science	5.1	113.5	6.5	
09/19/14	14-6065	Science	5.5	119	1	

	142016	152020
Flight Hours Approved in SOFRS	120	
Flight Hours Previously Approved		1
Total Used	119	1
Total Remaining		0